

PATENT ABSTRACTS OF JAPAN

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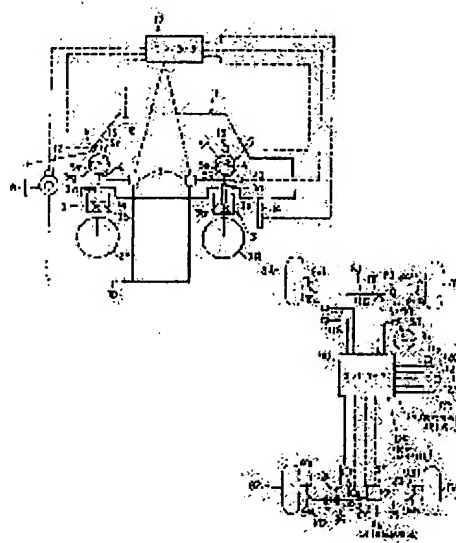
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(54) INTEGRATED CONTROL DEVICE FOR SUSPENSION AND STEERING

(57)Abstract:

PURPOSE: To improve operability by a method wherein, in a title device for a 4-wheel steering vehicle, rear wheel steering characteristics are corrected by the control means of a rear wheel steering mechanism in linkage with variation of the characteristics of a suspension characteristics varying means.

CONSTITUTION: A controller 17 controls variation of suspension characteristics by means of detecting signals from a delivery pressure gauge 12 of a hydraulic pump 8, a hydraulic sensor 13 of each fluid cylinder 3, a ground clearance sensor 14, and a vertical acceleration sensor 15. Meanwhile, the steering ratio characteristics of a rear wheel are previously stored in a controller 110 and inputs detecting signals from sensors 115 - 126 containing a front wheel steering angle sensor 116, a steering angle sensor 115, and a rear wheel steering angle sensor 124 to control the steering ratio between rear wheels. In this case, a steering characteristic varying means 130 of the controller 110 receives variation of suspension characteristics by the controller 17 to correct rear wheel steering ratio characteristics in synchronism. This constitution enables improvement of operability.



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